## IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method for manufacturing molten irons, comprising the steps of:

providing a mixture containing iron by drying and mixing iron ores and additives;

passing the mixture containing iron through one or more successivelyconnected fluidized beds to convert the mixture into a reducing material that is reduced and calcined;

forming a coal packed bed, which is a heat source in which the reducing material has been melted;

charging the reducing material to the coal packed bed and supplying oxygen to the fluidized bed to manufacture molten irons; and

supplying reducing gas exhausted from the coal packed bed to the fluidized bed[,]; and

wherein in the step of providing a mixture containing iron, branching exhaust gas exhausted from the fluidized bed is branched to dry at least one of the iron ores and the additives.

- 2. (Currently Amended) The method of claim 1, wherein comprising, in the step of providing a mixture containing iron, drying at least one of the iron ores and the additives is dried immediately prior to supply passing the mixture to the fluidized bed.
- 3. (Original) The method of claim 2, wherein the step of providing a mixture containing iron comprises the step of:

discharging stored iron ores and additives;

drying the iron ores and additives using separate heating air while vibrating the iron ores and additives;

storing the dried iron ores and additives; and supplying the stored iron ores and additives to the fluidized bed.

- 4. (Currently Amended) The method of claim 1, wherein comprising, in the step of providing a mixture containing iron, branching an amount of branched exhaust gas is 20 ~ 40% of an amount of exhaust gas exhausted from the fluidized bed.
- 5. (Currently Amended) The method of claim 1, wherein comprising, in the step of providing a mixture containing iron, conveying and simultaneously drying at least one of the iron ores and the additives is conveyed and simultaneously dried.
- 6. (Currently Amended) The method of claim 5, wherein in the step of providing a mixture containing iron, the iron ores are conveyed and a flow rate of the exhaust gas is 20 ~ 30m/s in the case where the iron ores are conveyed.
- 7. (Currently Amended) The method of claim 5, wherein in the step of providing a mixture containing iron, the additives are conveyed and a flow rate of the exhaust gas is 10 ~ 20m/s in the case where additives are conveyed.
- 8. (Original) The method of claim 1, wherein in the step of providing a mixture containing iron, the iron ores are fine ores having a grain size of 8mm or less.

9. (Currently Amended) An apparatus for manufacturing molten irons, comprising:

a conveying line for drying and conveying iron ores and additives;
one or more fluidized-bed reactors that reduce and calcine the iron ores and

a melter-gasifier for charging the reducing material and receiving the supply of oxygen to manufacture molten irons;

the additives supplied from the conveying line to perform conversion into reducing material;

a reducing gas supply line for supplying reducing gas exhausted from the melter-gasifier to the fluidized-bed reactors; and

a <u>an</u> exhaust gas branch line for branching exhaust gas exhausted from the fluidized-bed reactors and supplying the exhaust gas to the conveying line.

- 10. (Original) The apparatus of claim 9, further comprising:

  a hopper for each of the iron ores and the additives; and

  a bypass line connected to the hoppers and supplying the iron ores and additives to the conveying line.
- 11. (Original) The apparatus of claim 10, further comprising:

  a drying assembly for drying the iron ores and additives supplied to the hopper;

a storage bin connected to the drying assembly and for storing the dried iron ores and additives; and

a conveyor belt connected to the storage bin and providing the iron ores and additives to the fluidized-bed reactors.

- 12. (Currently Amended) The apparatus of claim 9, wherein the conveying line is extended extends vertically, exhaust gas is supplied to a lower port of the conveying line, and the iron ores and additives are supplied to the conveying line at a position 1□2m higher than the supply position of exhaust gas.
- 13. (Original) The apparatus of claim 9, wherein a flow speed of the exhaust gas in the conveying line is  $10 \sim 30$ m/s.
- 14. (Original) The apparatus of claim 9, wherein an amount of branched exhaust gas is  $20 \sim 40\%$  of an amount of exhaust gas exhausted from the fluidized-bed reactors.
- 15. (Original) The apparatus of claim 9, wherein the iron ores are fine ores having a grain size of 8mm or less.